

ABSTRACT

A multiple phase winding for an electromotive device comprised of individual phase windings. Each phase winding includes multiple layers of conductors and defines working length portions and interior and exterior end-turn portions, wherein at least one set of end-turn portions defines notches which cut across the height dimension of all the layers of conductors. The notches of different phases intermesh. This geometry promotes low electrical resistance within the phase windings and good conductive heat transfer between the multiple phase winding and the housing of the electromotive device, allowing higher power density from the device.